



CHECK CONTROL MESSAGE: "DRIVETRAIN: ONLY ELECTRIC DRIVE POSSIBLE"

MODEL

I01 (I3 REx)

SITUATION

The Service Engine Soon light is on.

Check Control Message (CCM): "DRIVETRAIN: only electric drive possible, limited driving range, continued driving possible, consult nearest service center" is displayed.

CAUSE

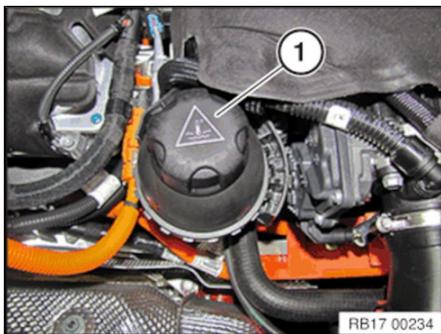
Leaking coolant expansion tank.

CORRECTION

Check and replace the coolant expansion tank for the range extender (REx).

PROCEDURE

1. Access the expansion tank for inspection. Refer to Repair Instruction **51 47 104 Removing and installing/replacing luggage compartment service cap.**



2. Check the tank and connected hoses for damage. **Are the tank or hoses damaged?**

YES - Replace the expansion tank or hoses, as necessary. Refer to Repair Instruction: **17 13 025 Removing and installing/replacing coolant expansion tank for range extender (I01)**. Go to step 4.

NO- Go to next step.

3. Check the expansion tank for proper mounting to the REx (1). **Is the expansion tank loose from its mount?**

YES- Remount properly. Go to next step.

NO – continue diagnosis with ISTA.

4. Bleed and fill the cooling circuit. Refer to Repair Instruction **17 00...Bleeding and filling cooling circuit (high-temperature cooling system) for range extender with vacuum filling unit** for filling the cooling system after replacing expansion tank or hoses.
5. Activate the Rex in Service Mode to confirm repairs and to confirm there was no damage to the REx (from an extreme overheat condition).

Follow path: Service function / Power train / Range extender digital engine electronics / Service start range extender.

PARTS INFORMATION

Part Number	Description	Quantity
17 13 7 604 431	Expansion tank	1
82 14 1 467 704	Antifreeze	As needed

WARRANTY INFORMATION

Covered under the terms of the BMW New Vehicle Limited Warranty for Passenger Cars and Light Trucks or the BMW Certified Pre-Owned Program.

Defect Code:	1711024800
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Leak: With the Service Engine Soon light on/Check Control Message

Labor Operation:	Labor Allowance:	Description:
00 00 006	Refer to KSD2	Performing "vehicle test" (with vehicle diagnosis system – checking faults)
And:		
17 00 509	Refer to KSD2	Check coolant system for leaks
And:		
17 13 525	Refer to KSD2	Removing and installing/replacing expansion tank for range extender

If you are using a Main labor code for another repair, use the Plus code labor operation 00 00 556 instead.

Or:

Leak: Without the Service Engine Soon light on/Check Control Message

Labor Operation:	Labor Allowance:	Description:
17 00 009	Refer to KSD2	Check coolant system for leaks
And:		
17 13 525	Refer to KSD2	Removing and installing/replacing expansion tank for range extender

If you are using a Main labor code for another repair, use the Plus code labor operation 17 00 509 instead.

And:

Sublet – Bulk Materials

Sublet Code 4	See the sublet reimbursement calculations below	Reimbursement for replacing the drained quantity of antifreeze/coolant (Bulk container reference 82 14 1 467 704, one gallon container. Do not use this part number for claim submission)
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Sublet calculation: BMW antifreeze/coolant (1 gallon bulk container reference P/N 82 14 1 467 704) for approximately 1 liter (2 liters total) that is needed for this repair (50/50 mixture) at dealer net plus your center's handling.

Enter this material cost in sublet and itemize the amount in the claim comment section.

Other Repairs

If other or additional work is performed as a result of checking coolant system for leaks:

- When covered under an applicable limited warranty, claim these repairs using the applicable defect code and labor operations provided in KSD2.

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